Agenda

USACE Introduction

POD Orientation

POH Presentation

The U.S. Army Corps of Engineers – Relevant, ready, Responsive, Reliable

Command Brief as of 15 December 2006

The Engineer Regiment

The “Corps” of Engineers

Combat Engineers

Directorates of Public Works

The World of the Chief of Engineers

Three Roles

Chief of Engineers

ARSTAF Engineer

Commander, USACE

USACE Mission

Global War on Terror (GWOT)

Military Programs

- Force Global Positioning
- BRAC 05
- Field Force Engineering
- MILCON Transformation
- Environmental restoration

Real Estate

- DOD Recruiting facilities
- Contingency operations
- Acquire, manage and dispose

Homeland Security

- Critical Infrastructure Protection
- Anti-Terrorism Intelligence
- Facility Security Partnership

Interagency Support

- Federal
- State
- Local
- International

Research &

- Warfighter
- Installations
- Environment
- Water Resources

Civil Works

- Navigation, Hydropower
- Flood control, Shore Protection
- Water Supply, Regulatory
- Recreation, Disaster response

USACE Authorities

- **Statutes establishing the Duties of the Chief of Engineers** (not inclusive)**.**

  - CoE is designated as the **Chief of the Engineer Branch** under Title 10 U.S.C., Sec 3036.

  - **Military construction** shall be carried out under the direction and supervision of the SecArmy, acting through the CoE under Title 10 U.S.C., Sec 2851.

  - **Navigation and flood control** projects must be executed under the direction of the SecArmy and supervision of the CoE, unless specified otherwise by law, codified under Title 33, U.S.C, sec 540 & 701b.

  - **CW emergency authorities** permit the CoE to expend funds in support of preparation for and in support of flood fighting, rescue operations, flood control, repair and restoration of flood protection, emergency dredging, and provide emergency supplies of clean water under PL 84-99

  - **Plans, proposals, reports** of the CoE for any works of

USACE Vision Statement

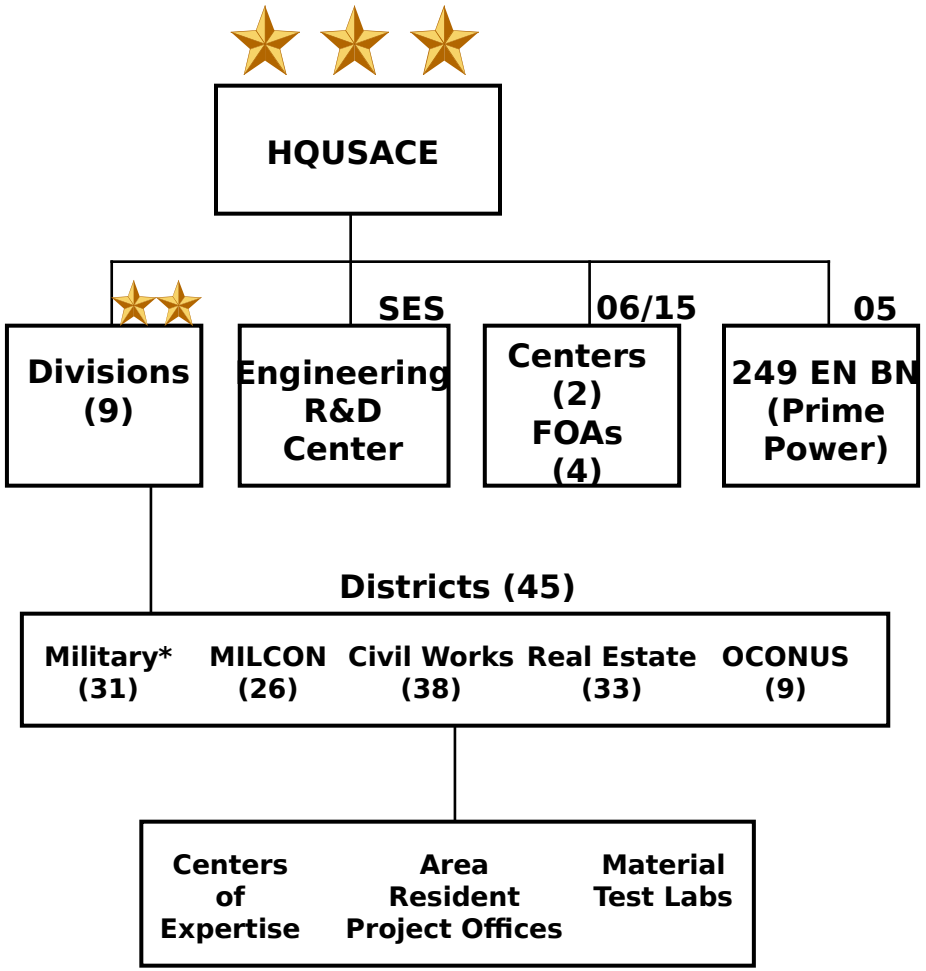
The U. S. Army Corps of Engineers - One Team: Relevant, Ready, Responsive and Reliable, proudly serving the Armed Forces and the Nation now and in the future.

A full-spectrum Engineer Force of high quality Civilians and Soldiers, working with our partners to deliver innovative and effective solutions to the Nation's engineering challenges:

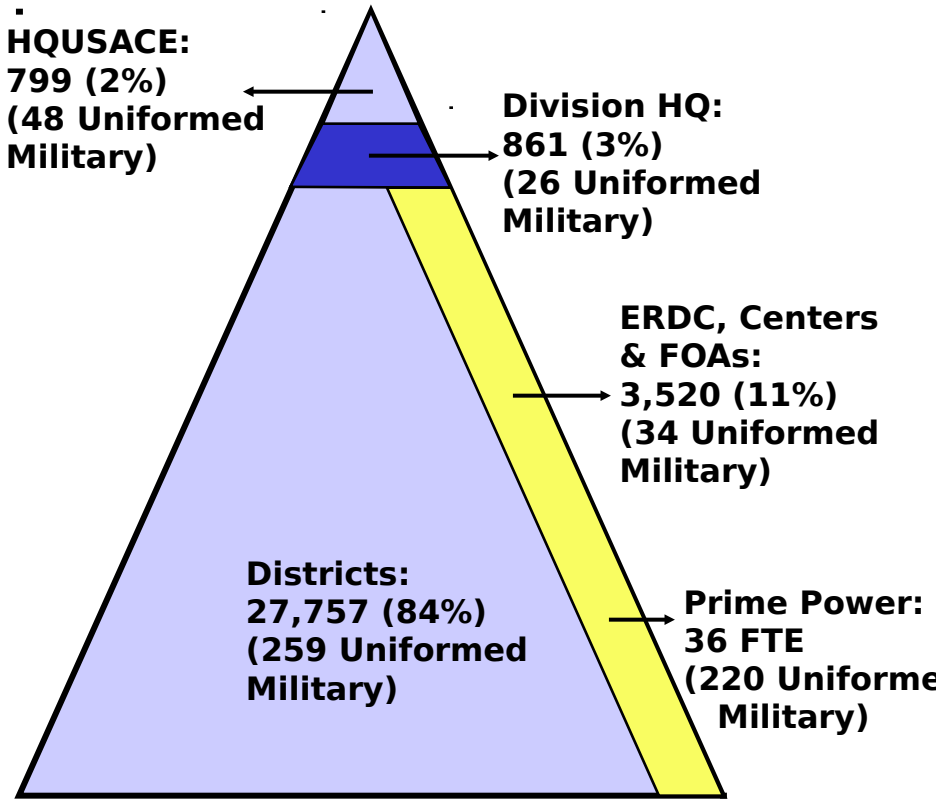
- **An Army Values-Based Organization**
- **Focused on the Mission and Those We Serve**
- **Dedicated to Public Service**
- **A Vital Part of the Army**

What is USACE?

USACE Organization



Distribution
Civilian FTE/Uniformed End Strength (ES)


HQUSACE: 799 (2%) (48 Uniformed Military)
Division HQ: 861 (3%) (26 Uniformed Military)
ERDC, Centers & FOAs: 3,520 (11%) (34 Uniformed Military)
Districts: 27,757 (84%) (259 Uniformed Military)
Prime Power: 36 FTE (220 Uniforme Military)

Civilians: 32,973 FTE Allocated

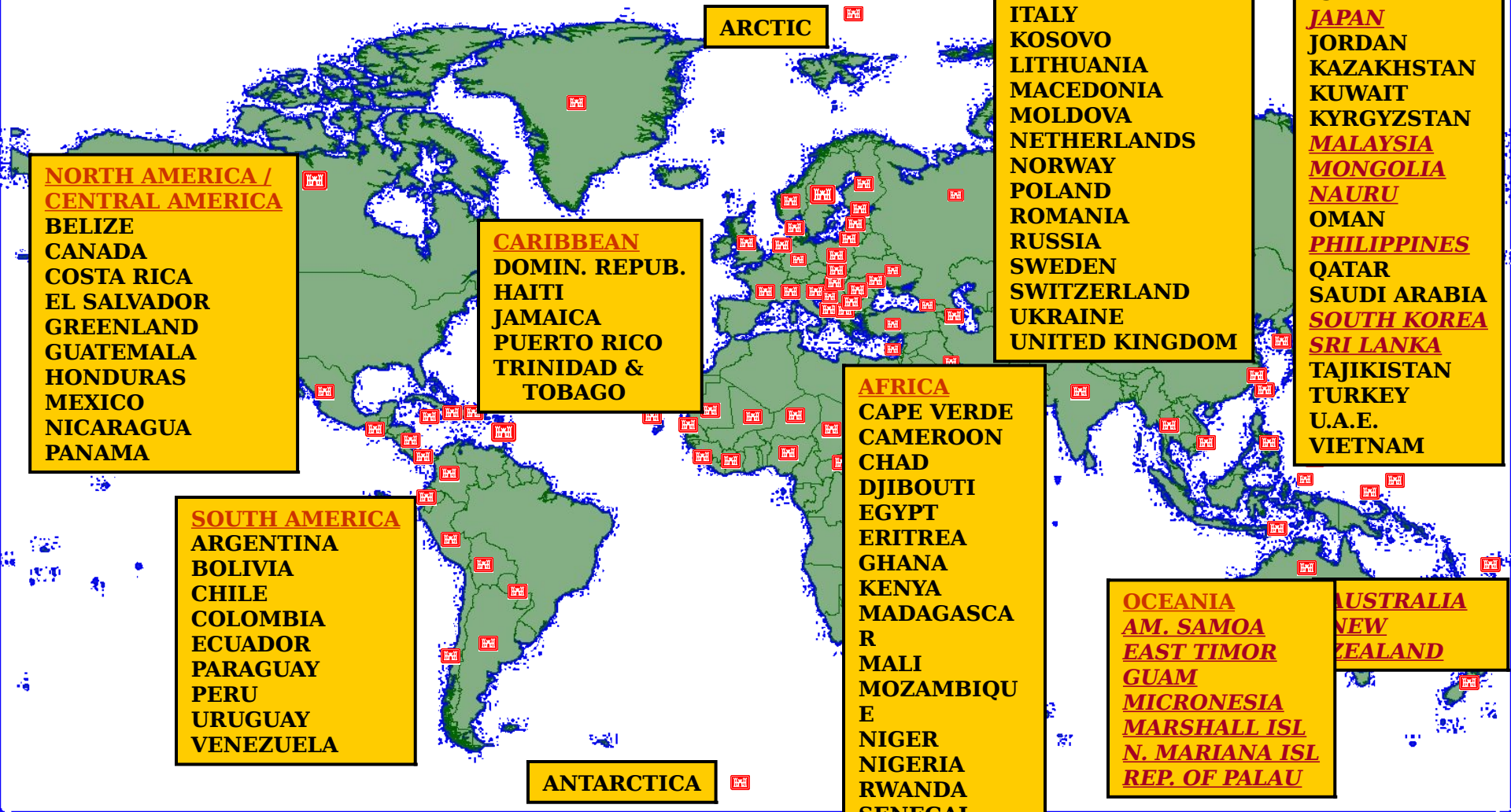
Uniformed: 587 Authorized (Officer/Enlisted)

Data as of Jul 06 *MIL=MILCON,DERP,RE FOAs=HECSA,IWR,MDC,UFC

US Army Corps of Engineers

Global Engagement

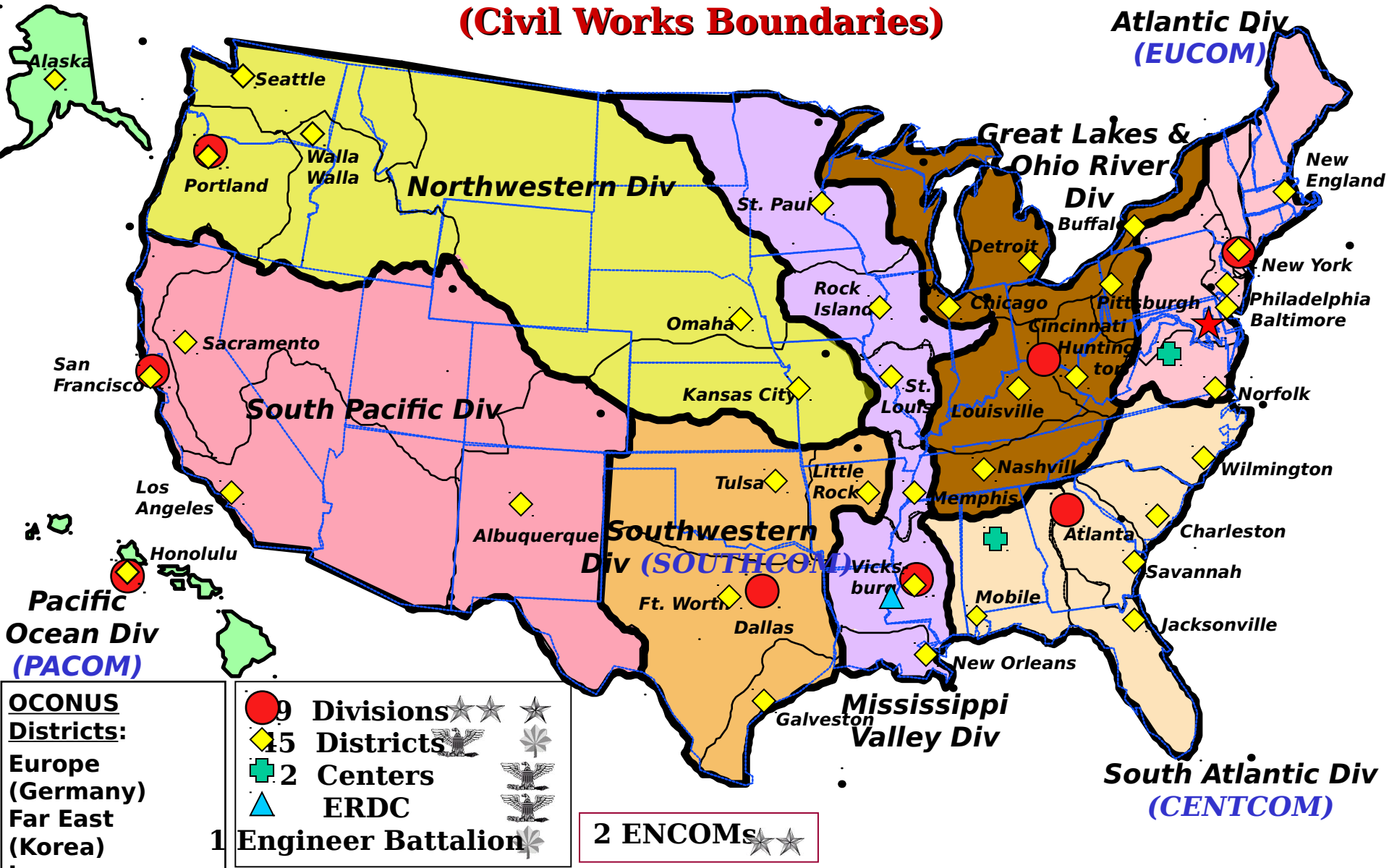
Countries Supported: 91+



USACE Terrain Walk

MACOM Overview

(Civil Works Boundaries)



OCONUS Districts:

Europe (Germany)
Far East (Korea)
Japan

9 Divisions
15 Districts
2 Centers
ERDC
1 Engineer Battalion

2 ENCOMs

Support to the Army and Nation

Civil Works Value to the Nation

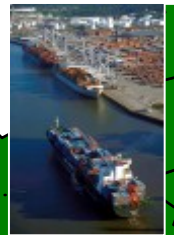
Recreation areas
376 M Visitors/yr
Generate $15 B in economic activity, 500,000 jobs

400 miles of Shore protection
Destination for 75% of U.S. Vacations

¼ of Nation's Hydropower: $500 M + in power sales

11,000 miles of Commercial Inland Waterways:
½ the cost of rail
1/10 the cost of trucks

299 Deep Draft Harbors



627 Shallow Draft Harbors

8500 Miles of Levees

Stewardship of 11.7 Million Acres Public Lands

Emergency Operations

Environmental Restoration

Regulatory Responsibilities

- US Ports & Waterways convey > 2B Tons Commerce

Support to the Army and Nation

Major Military Programs

In-theater Support to War Fighters

Chemical Demilitarization

Environmental, Hazardous/Toxic Waste cleanup

249th Prime Power Bn.

Formerly Used Defense Sites (FUDS) cleanup

181 Army Installations

Anti-Terrorism & Force Protection

Presence in 91 Other Nations

71 Air Force Installations

Support to DC Schools

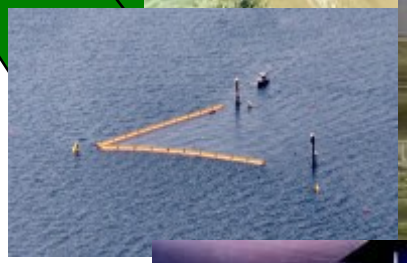
Support to 60 Non-DOD Federal Agencies

Radiological Site cleanup

Support to the Army and the Nation

Engineer Research and Development Center

* 1948 Employees
* 1059 Scientists & Engineers
  * 438 Master's Degrees
  * 301 Doctorate Degrees
* $1.2 Billion in Research Facilities & Equipment
* $708 Million Annual Program



Cold Regions Research Engineering

Hanover, NH

Construction Engineering Research

Champaign, IL

Topographic Engineering Center

Alexandria, VA

Coastal and Hydraulics
Environmental
Geotechnical and Structures
Information Technology

Vicksburg, MS

Support to the Army and the Nation

Centers of Expertise

- USACE maintains 13 centers of expertise at various districts
- Purpose is to consolidate technical expertise in critical areas and ensure consistency of design
- USACE also maintains experts

Support to the Army and the Nation

Homeland Security

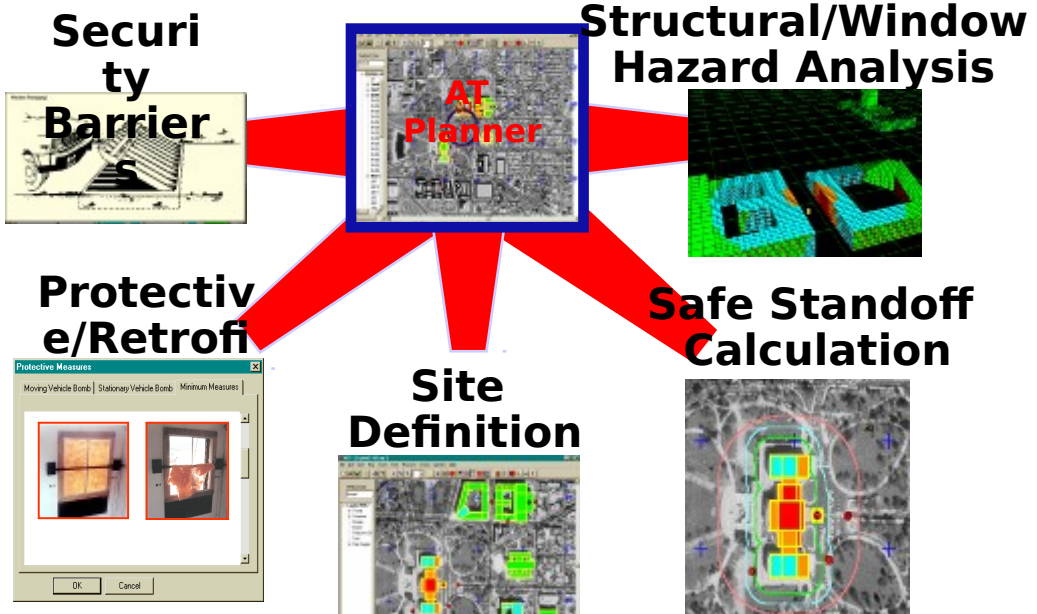
Critical Infrastructure Protection

TISP

The Infrastructure Security Partnersh

ms

Leading Edge AT/FP Design



Centers of Expertis

Support to the Army and the Nation

Federal Emergency Manage… Ag…er

Deployable Tactical Operations

Potable Water and Ice

Structural Safety

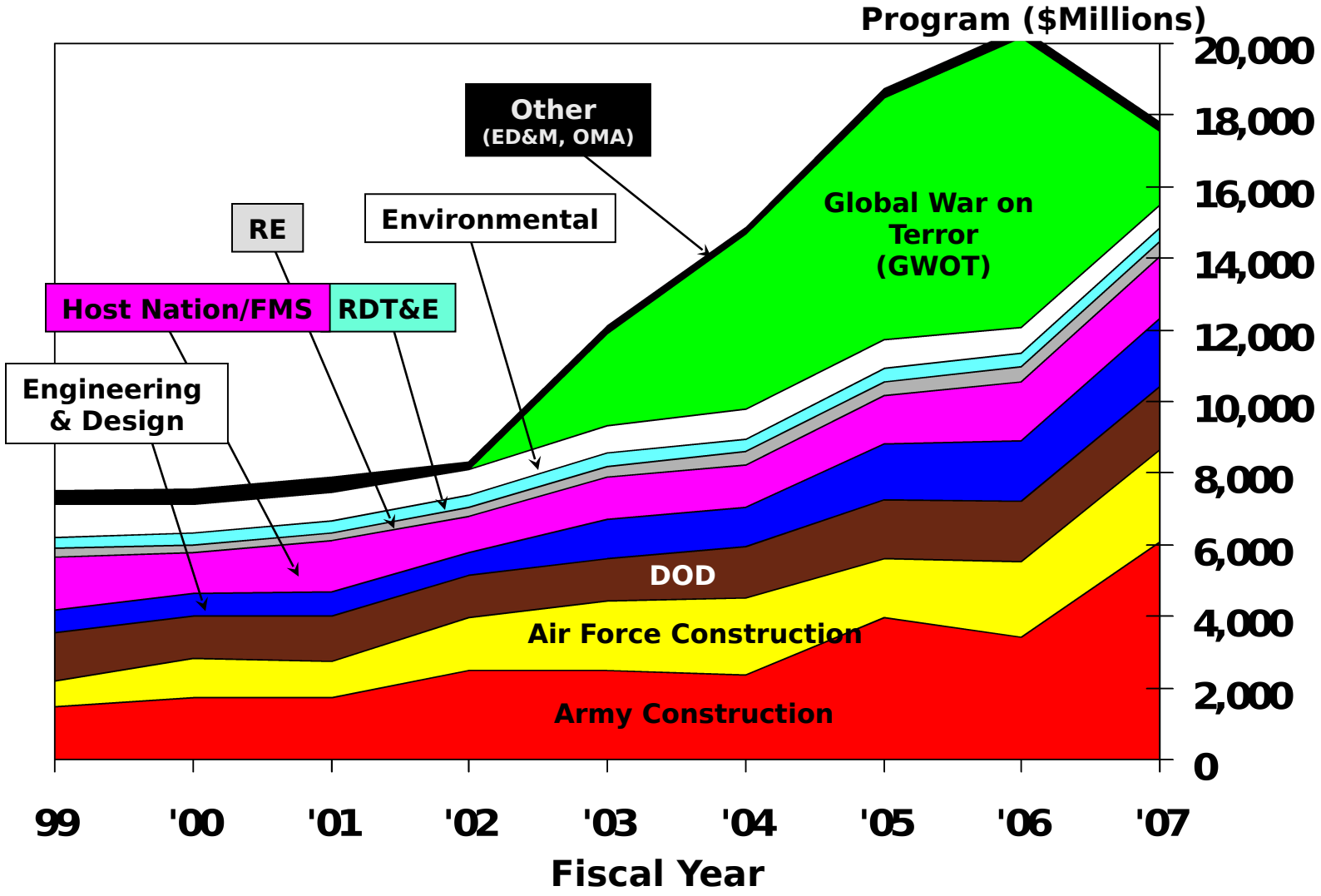
Temporary Housing

Debris Removal

Emergency Power

Military Functions Program Trends

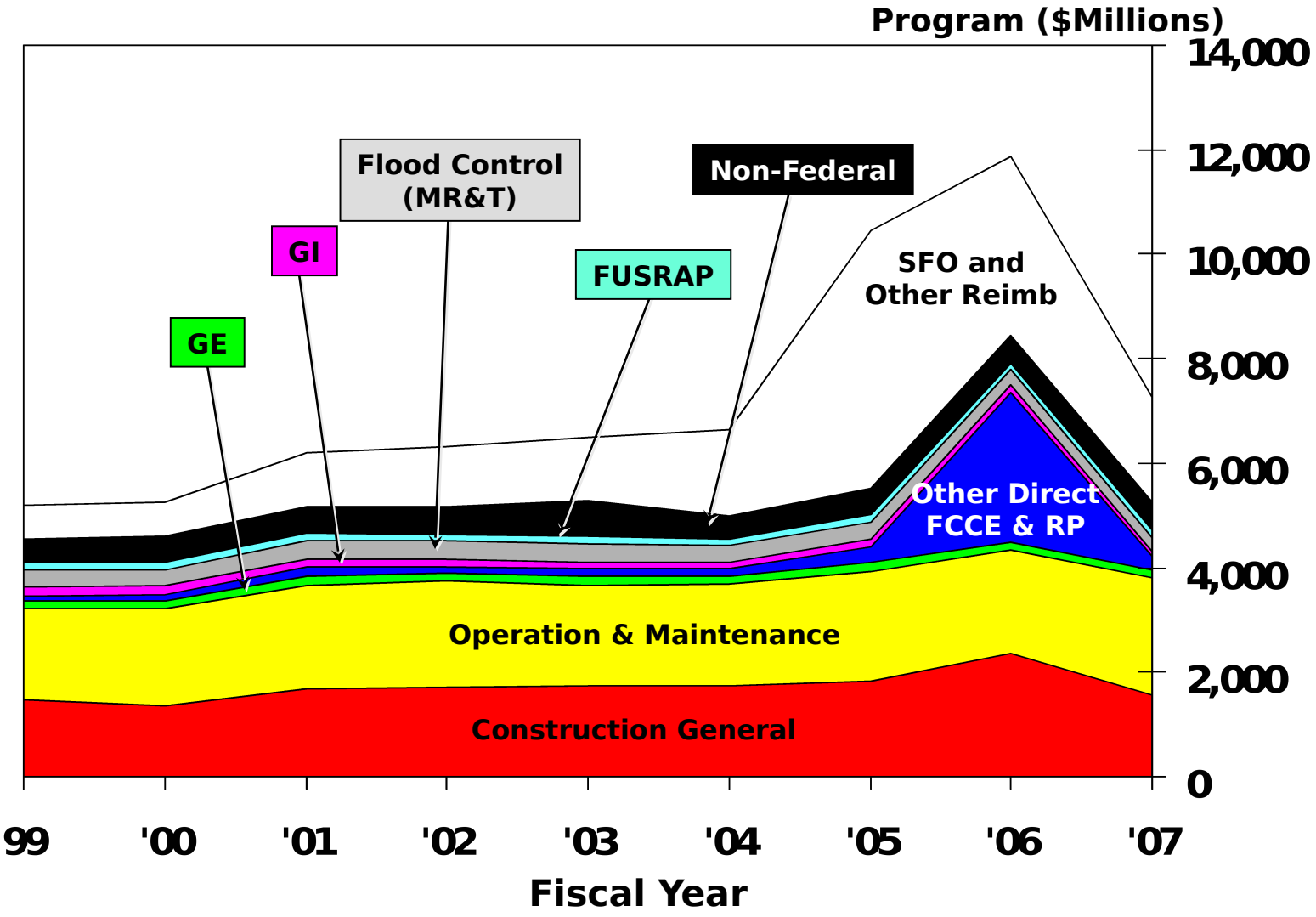
FY 99-07



Current $ as of Jul 06

Civil Works Program Trends

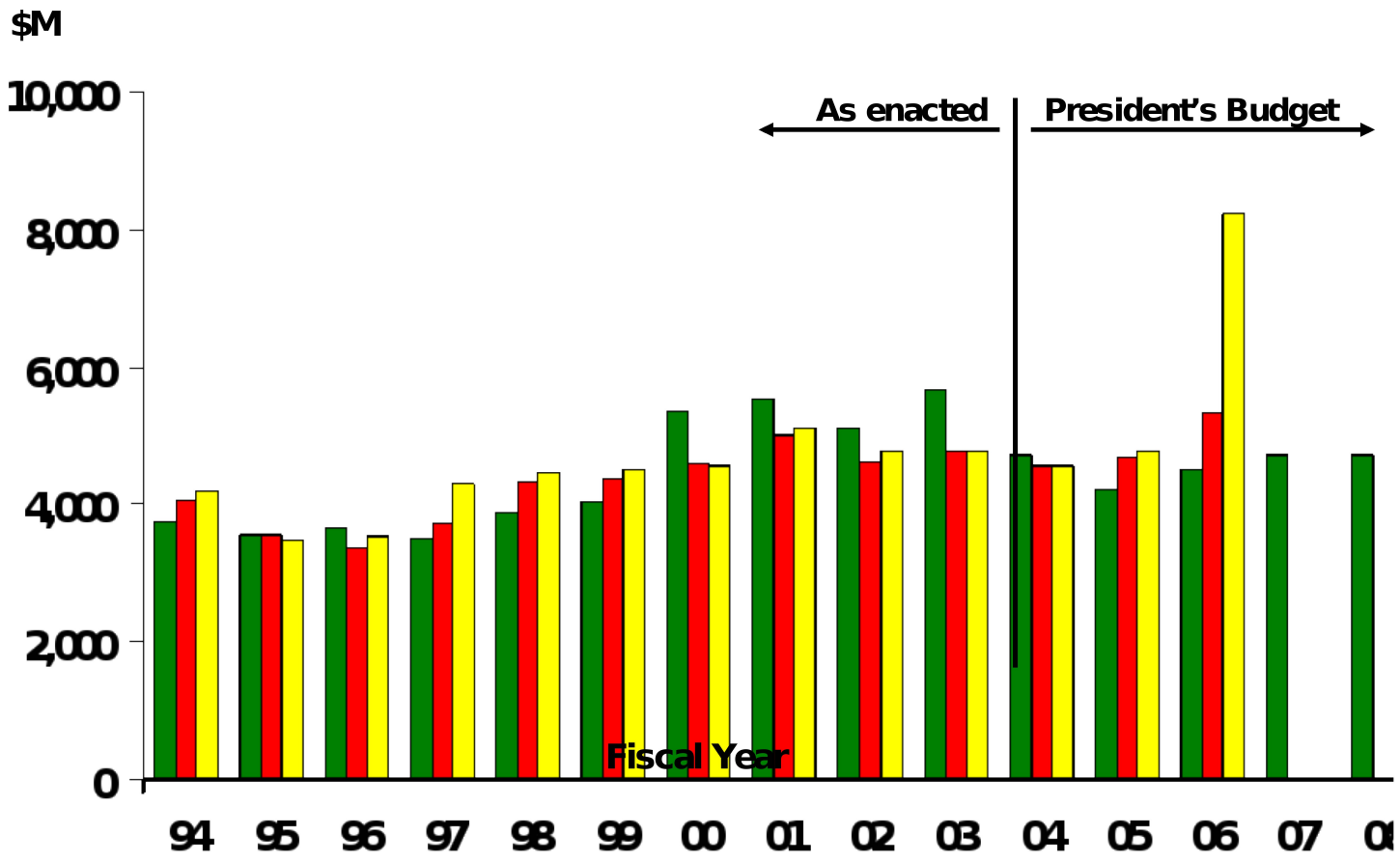
FY 99-07



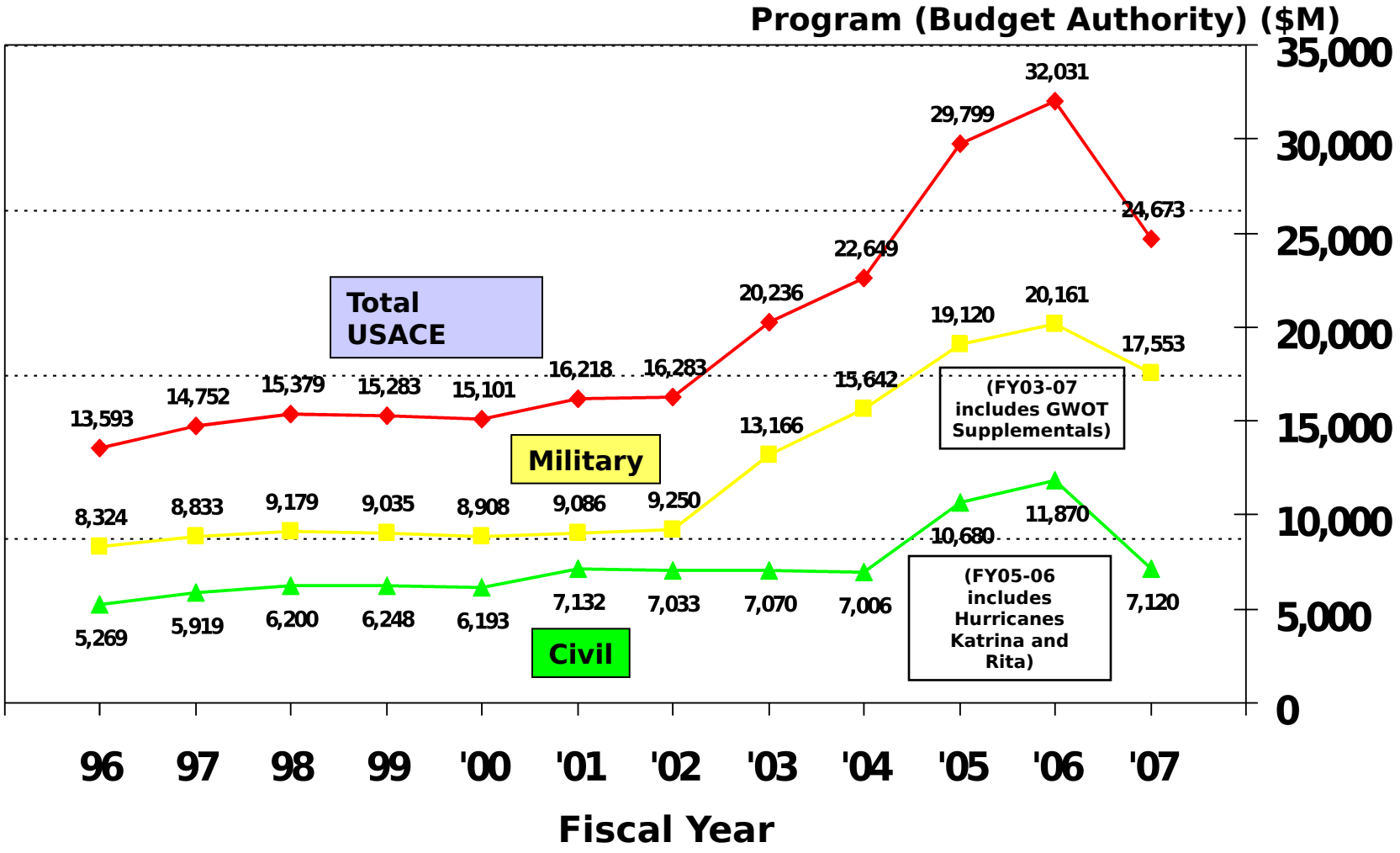
Current $ as of Jul 06

USACE Civil Works Funding Profile

FY 94-11



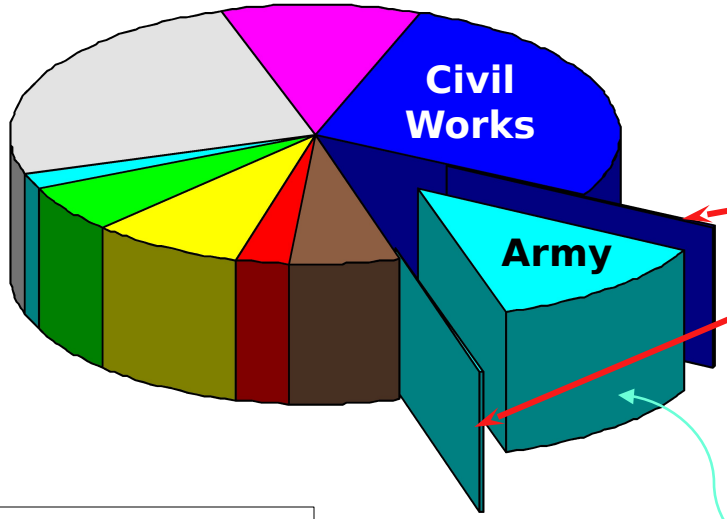
USACE Program Trends
FY 96-07



FY06 Constant $ as of Jul 06 Mil = MILCON, RDT&E, RE, Reimb and GWOT (FY03=$2.6B, 04=$4.9B, 05=$6.7B, 06=$8.1B, 07=$2.1B) Civil = Direct + Reimb

FY06 USACE Directed Program

Directed by other than AR2B



- GWOT
- Support for Others (EPA, DOE, etc)
- Civil Works
- Army Direct
- Army Reimbursable
- Host Nation, NATO, etc
- Air Force
- DOD Agencies
- Foreign Military Sales

USACE Operating Funds
- **HQUSACE + FOAs**
- **9 Division HQs**

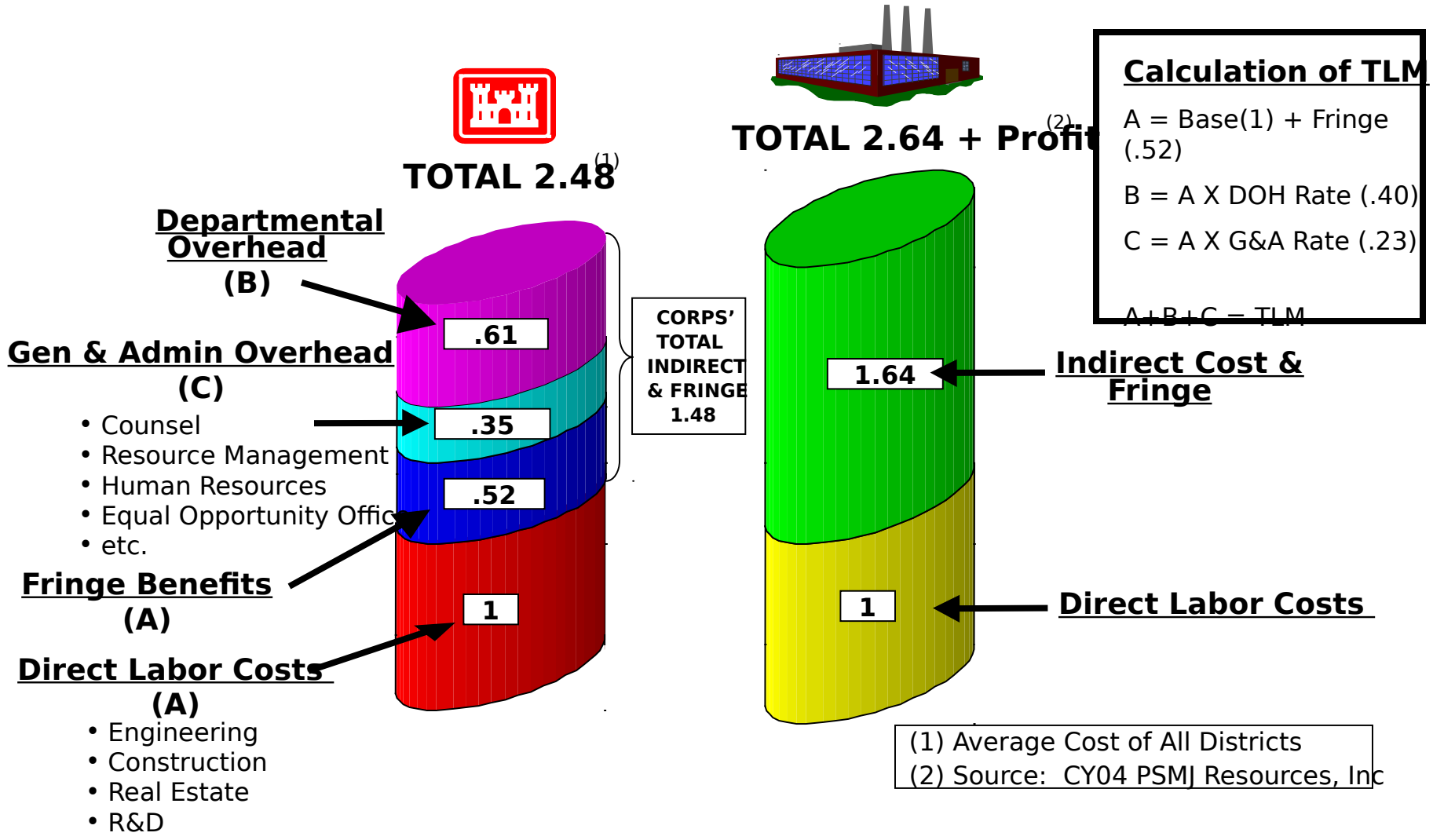
$162 M GE
$ 97 M OMA
$259 Million

Army Requirements and Resources Board (AR2B)
Directed (11%)
MCA, BRAC, AFH, RDT&E
OMA (DERP, RE)

$12 B – Civil
$20 B – Military
$32 B – Total

Data as of Jul 06

USACE Labor Costs
Comparison between USACE and Industry

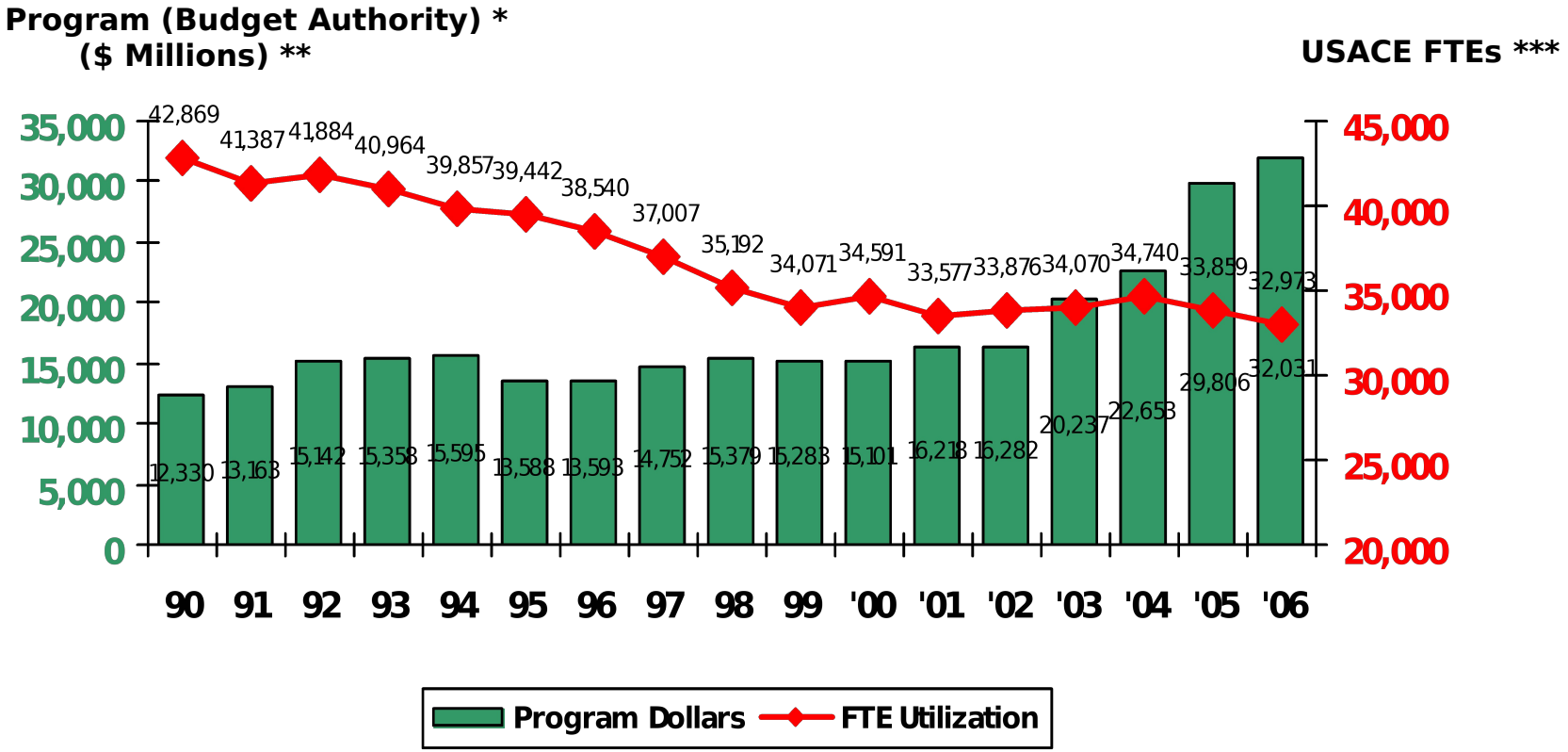


Total Labor Multiplier (TLM) Comparison

Source: FY05 CODB Data

USACE Program Trends and FTEs

FY 90-06

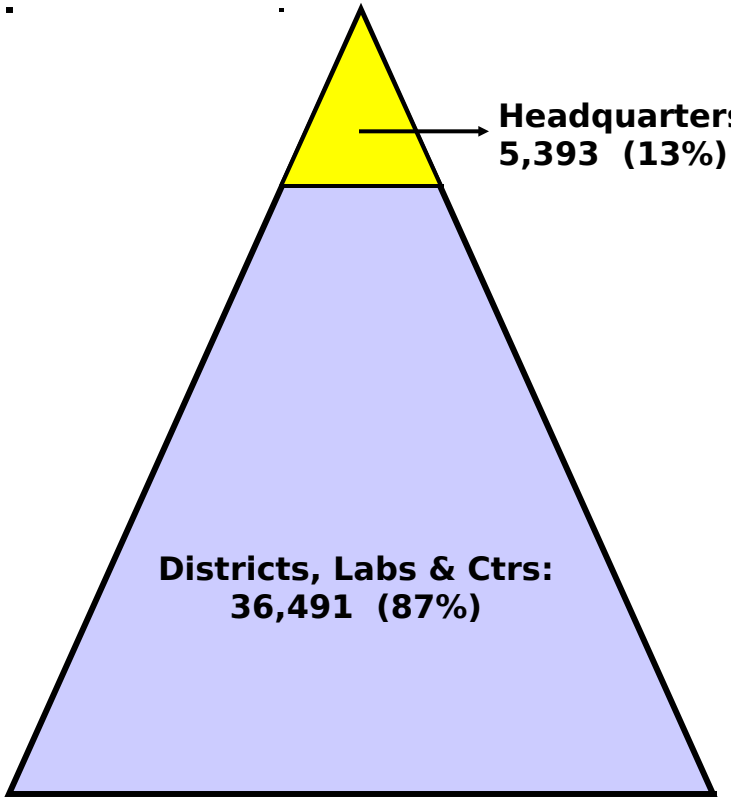


* Includes Military, Civil, and SFO
** FY06 Constant Dollars
*** FY90-05 - FTE Utilization; FY06 Projected Utilization

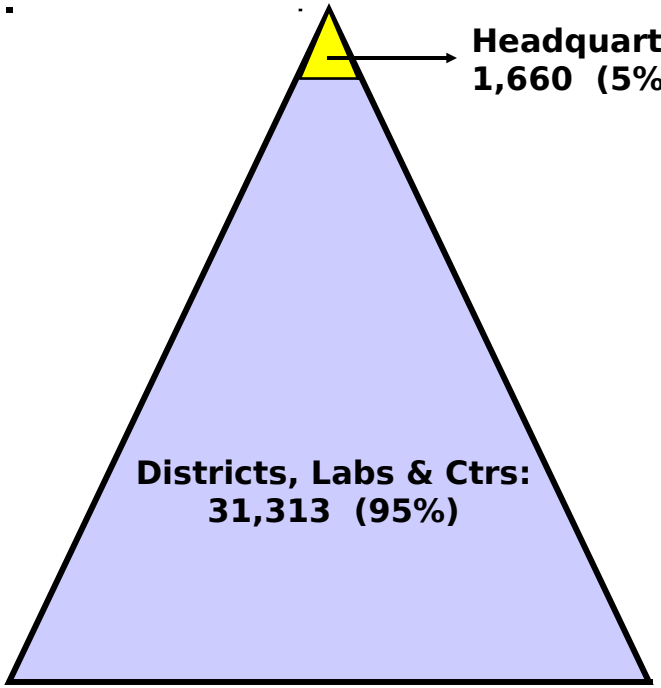
Jul 06

Distribution of USACE Funded Manpower (FTEs)

FY92 vs FY06



FY92 – 41,884 FTE



FY06 – 32,973 FTE

Data as of Jul 06

Headquarters = USACE HQ + Division HQs

Support to the Army and the Nation

Leveraging Technical Engineer Capabilities

Tactical Military Hydrology

Contingency Airfields

Utility Assessment and Repai

Cold Regions Theater of Operations Engineering

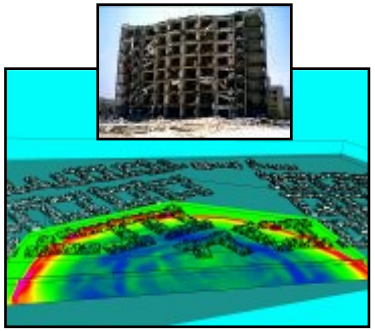
Base Camp Construction, Protection & Survivabilit

Rapid Mapping

Logistics Over the Shor

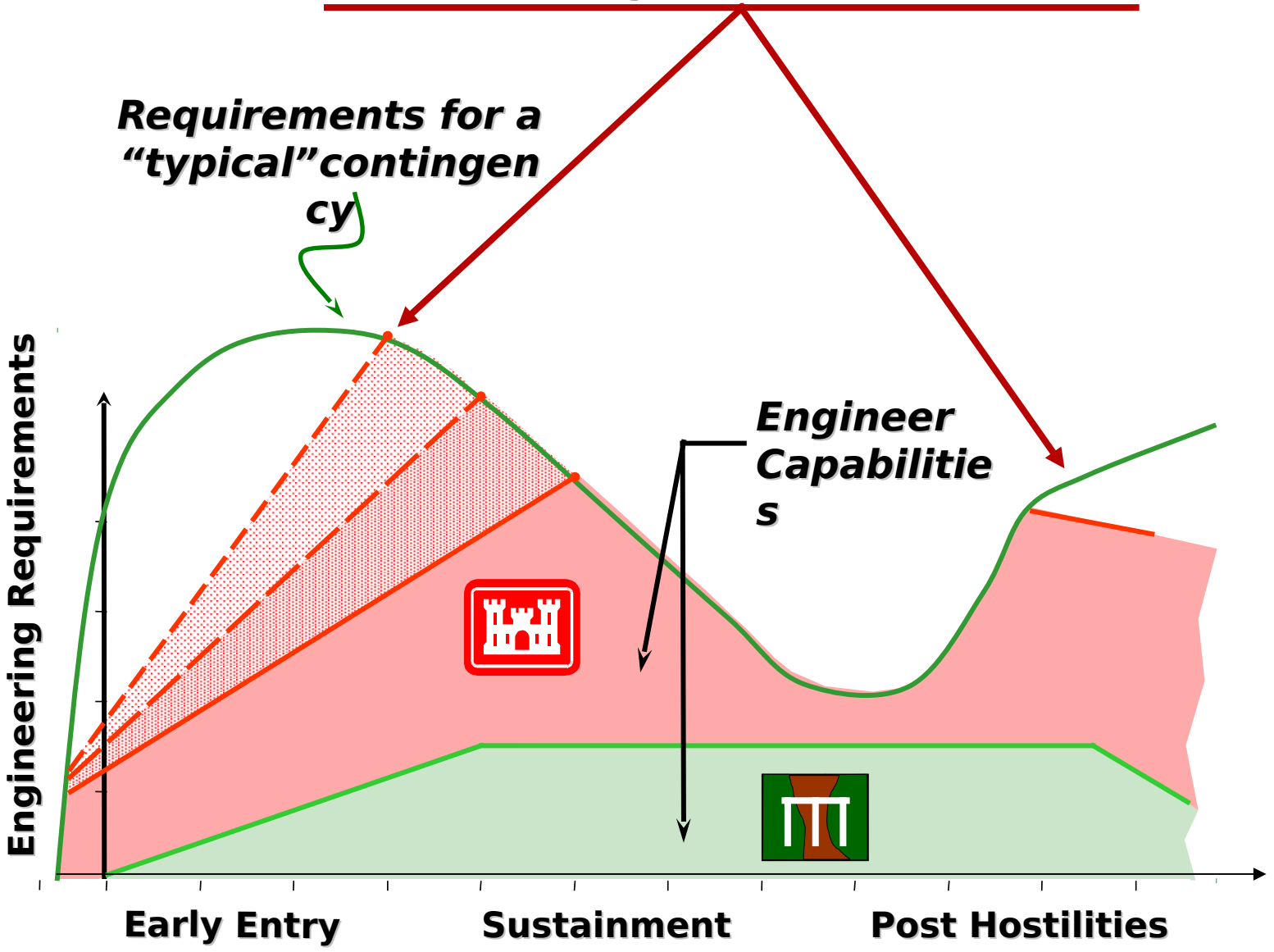
Bridge Assessment and Repair

Force Protection

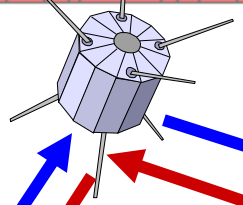


Support to the Warfighter

The Challenge: Meet the Curve



Tele-Engineering Reach-Back



JTF with problem beyond capability to solve

Deployed Engineer

Univ

Private Sector

Intel

R&D staff in ERDC (Engineer Research and Development Center) with connectivity to Knowledge Bases

Tele-Engr Ops Center

Connectivity Though:

- **NIPRNET, SIPRNET, Secure/Non-Secure Phone and Fax**
- **Deployable and Fixed Site TeleEngineering Communications Systems**

Capabilities:

- **Technical assessments of structures, utilities, dams, routes, bridges, airfields, force**
- **Real estate, designs, environmental baseline, geospatial info, water resources, plan**

The U.S. Army Corps of Engineers – Pacific Ocean Division

Command Brief as of 15 December 2006

Pacific Ocean Division Mission

Deliver World-Class Quality, Environmentally Sustainable Engineering Facilities and Services for our Customers Safely, On Time and Within Budget

- **Design and Construction Agent** for DoD, the Army and Air Force in Alaska & Hawaii, and for all Services in Japan, Korea and Kwajalein
- Manage the **Federal Water Resources** Development Program in Alaska, Hawaii, Guam, American Samoa, CNMI
- Conduct **Environmental** Restoration and Remediation
- Execute **Emergency Response and Disaster Relief** in support of Federal Authorities
- Provide **Contingency Response** in support of the Army's War-fighting mission
- Provide Field Force Engineering **Support to PACOM** and Subordinate Commands
- Implement Army and USACE **Business Transformation** Initiatives

Pacific Ocean Division

BG John Peabody

Personnel

1,655 Employees

- 28 Military
- 1225 US Civilian
- 249 Korean Nat.
- 153 Japanese Nat.

Program (cost):

$2.3 Billion FY06

- $1.3 Billion – Military Programs
- $874 Million – Host Nation
- $147 Million – Civil Works/IIS

Alas

COL Kevin Wilson

Hawaii

LTC Charles Klinge

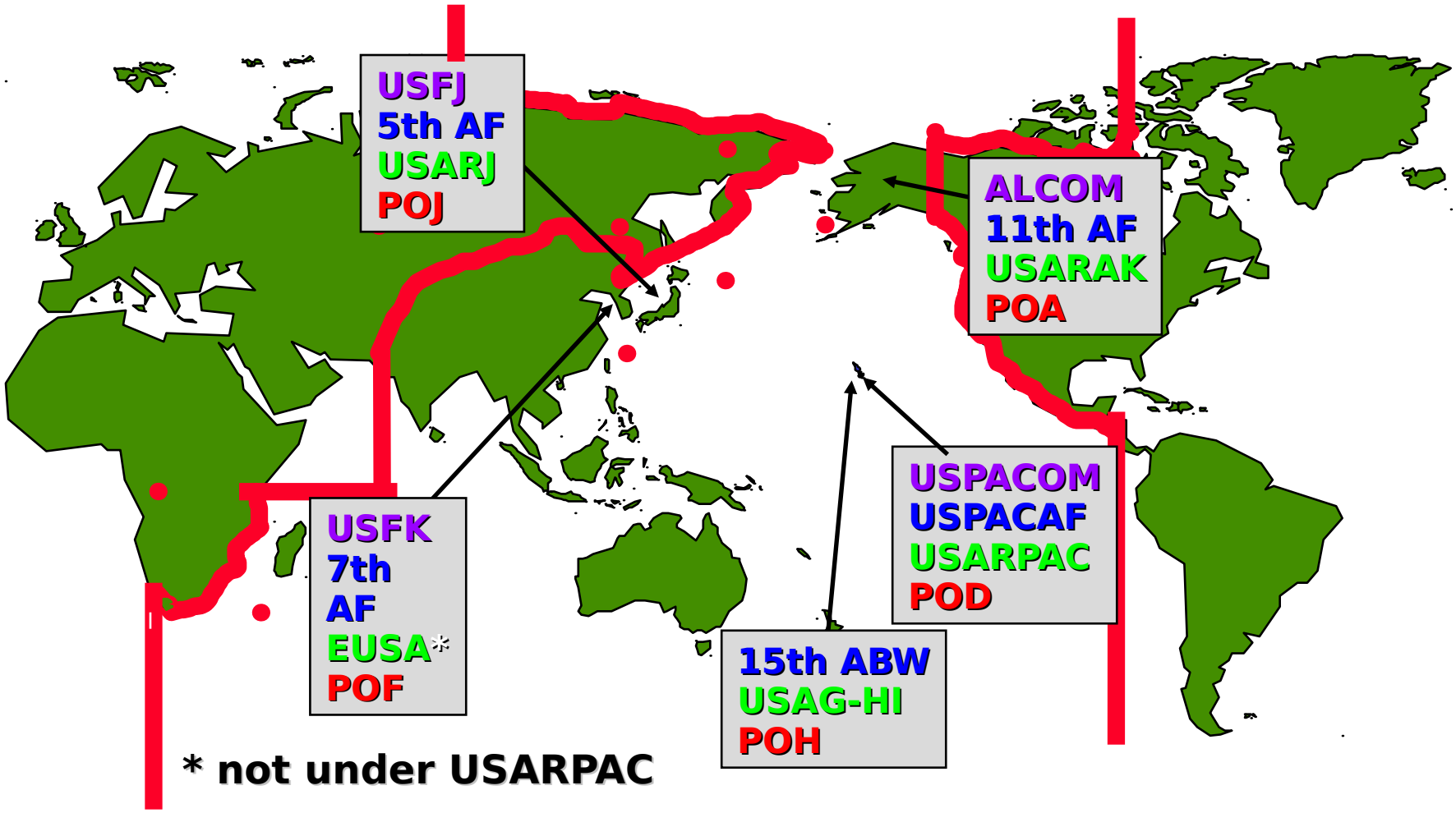
Kore a

COL Janice Dombi

Japa n

COL Robert Vasta

POD Area of Operations



Our Military Customers

PACOM

USFK

PACAF

PACFLT

USARPAC

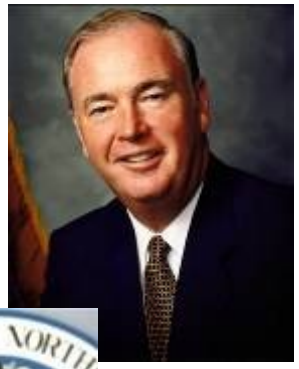
USARHAW

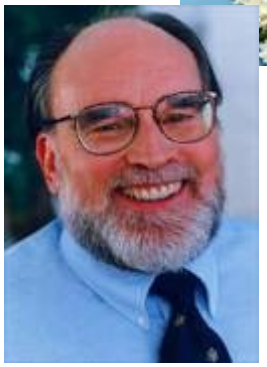
USARJ

USARAK

ADM Fallon, GEN Bell, GEN Hester, ADM Roughead, LTG Brown, MG Mixon, MG Perkins, MG Jacoby

Our Federal, State, and Other Customers





Inouye, Akaka, Murkowski, Stevens, Murkowski, Lingle, Camacho, Tulafono, Fitial, Abercrombie, Hirono, Young,
Bordallo, Faleomavaega, USG Support to Other Nations (e.g., Palau, Sri Lanka, Indonesia, Philippines)

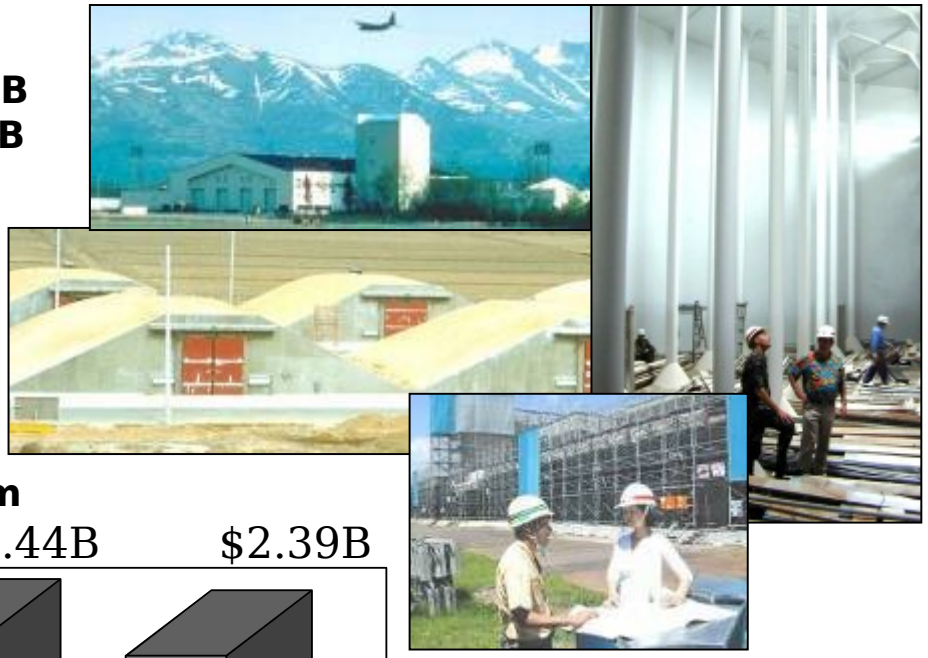
Military Construction

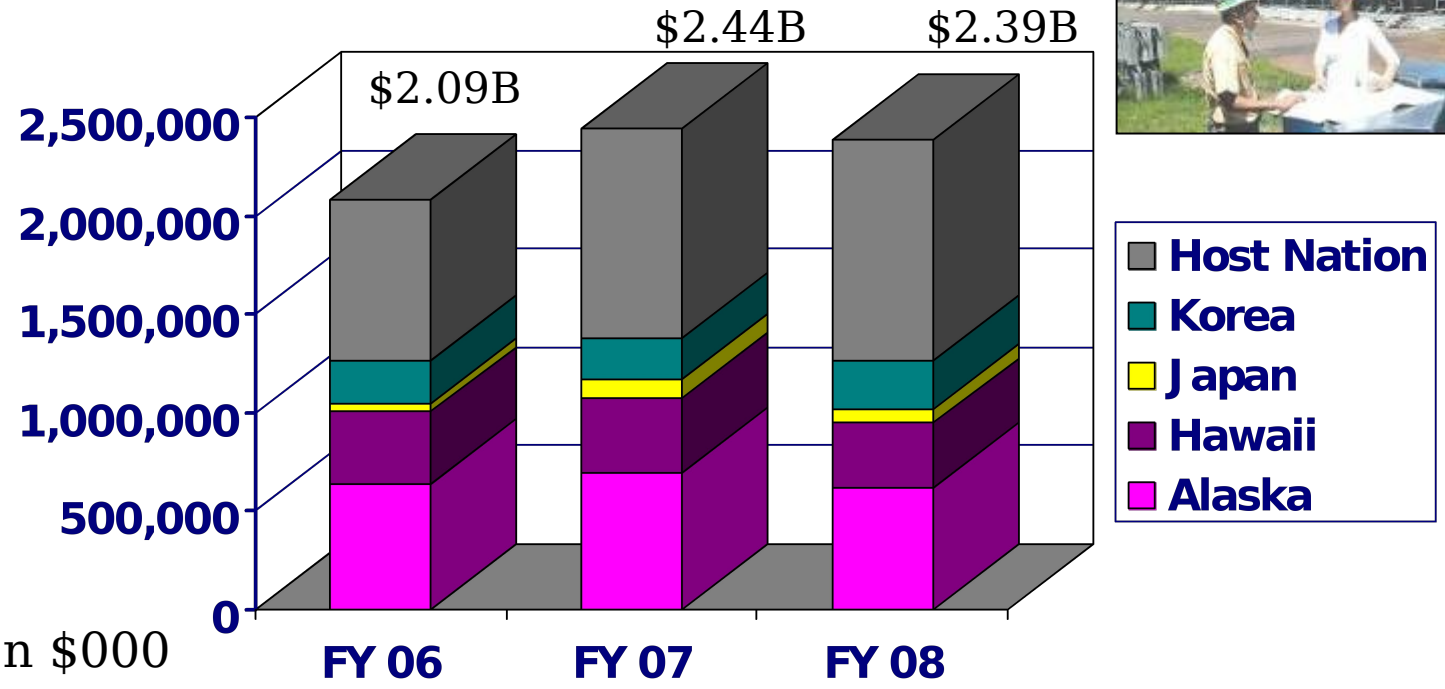
Alaska
- **Army Transformation, Alaska**
- **C-17 Beddown, Elmendorf AFB**
- **F-22 Beddown, Elmendorf AFB**

Hawaii
- **Army Transformation, Hawaii**
- **C-17 Beddown, Hickam**

Japan
- **FBX-T Radar**
- **Yokosuka Wharf Expansion**

Korea
- **Peninsula Relocation Program**





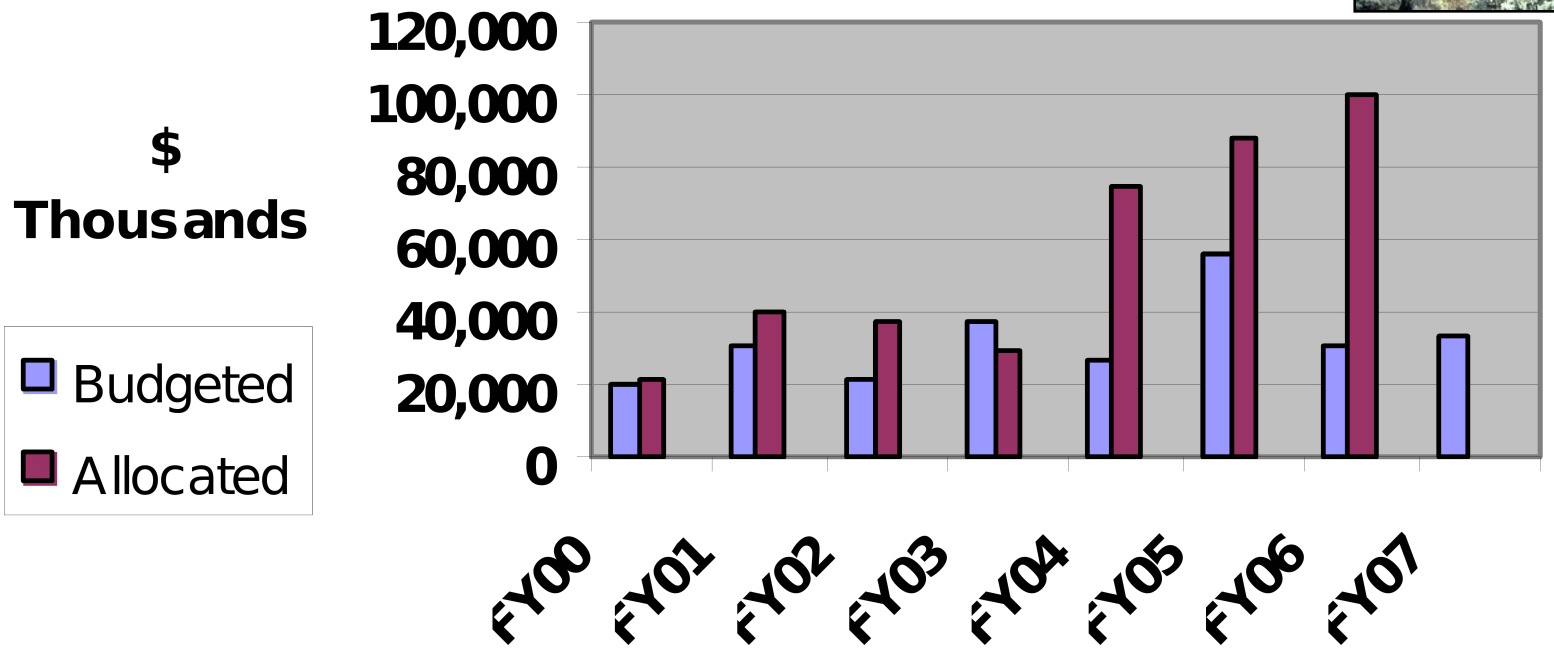
Civil Works

Alaska

- **Harbor Maintenance, Anchorage**

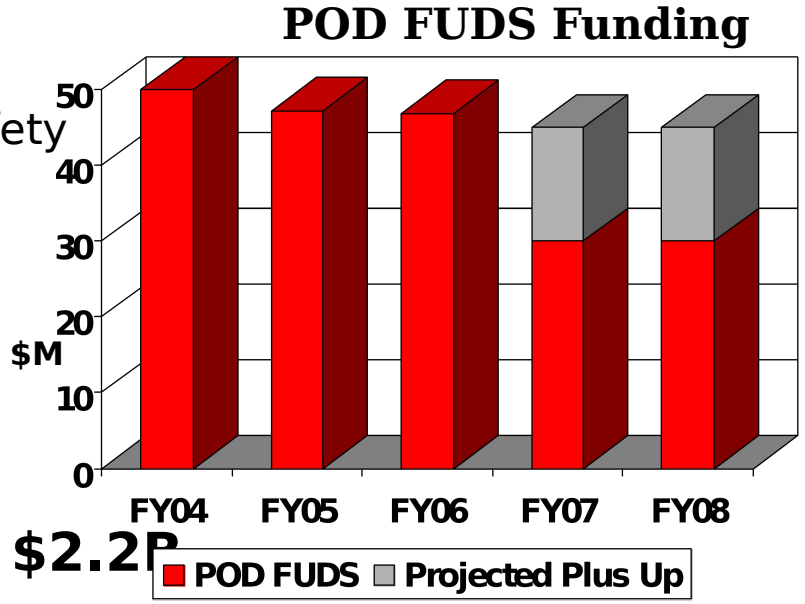
Hawaii

- **Ala Wai Canal Watershed Study, Oahu**
- **Kaumalapau Harbor, Lanai**



Formerly Used Defense Sites (FUDS)

- **Army is FUDS Executive Agent for DoD**
- **Corps of Engrs is Executing Agency for the Army**
- **Program Goals:**
  - Address imminent threats to Health/Safety
  - Risk based approach
  - Complete cleanup of Hazardous Toxic Radioactive Waste (HTRW) by 2020
  - Complete site investigations for all Military Munitions Response Program projects by 2010



- **POD Cost-to-Complete (CTC) = $2.2B**
- **FY06 POD FUDS include:**
  - Waikoloa, Hawaii (11.6M)
  - Hoonah RRS, Alaska ($4.4M)
  - Kodiak Island, Alaska ($3.6M)
  - Cold Bay ACS, Alaska ($2.4M)
  - Kodiak Island (Drury Gulch), Alaska ($1.9M)

Field Force Engineering (FFE)

- **Program uses full capability of Engineer Regiment to include U.S. Army Corps of Engineer technical capabilities**
  - Deployable FESTs (Forward Engineer Support Team); USACE has 9 (2 in POD) but expanding to 27 for world-wide support
  - FESTs reachback to USACE Engineer Divisions, Districts, Labs, Centers, and Centers of Expertise across the U.S.
  - Assisted by Forward-based LNOs – PACOM, USFK, I Corps, III MEF
- **Division alignments – POD in Direct Support to PACOM**
  - POD supports PACOM GWOT, Contingencies, PLANs, Theater Security Cooperation and Exercises

Exercise Support

- **POD Support to Theater Security Cooperation**
  - Australia – Working with Australia Defense Force on cooperative development of an expedient airfield for future joint/combined training
  - Mongolia – Scope development for Peacekeeping Training Center
  - Vietnam, Bangladesh and Laos - Medical clinics and schools support to USARPAC
  - Support to OSD and War College with Military Civilian Disaster Preparedness conferences in South and SE Asia
  - POD supports PACOM J34 CIP program in Public Works Sector

- **POD Support to PACOM Exercises**
  - Keen Edge/Yama Sakura (Japan) — **LNO, FEST-A**
  - RSO&I (Korea) — **FEST-A**
  - Cobra Gold (Thailand) — **FEST-A, FEST-M, BDT**
  - UFL (Korea) — **FEST-A**
  - Corps Warfighter (NTC) — **LNOs, FEST-A**
  - Terminal Fury (Hawaii, Japan, etc) — **LNO, ERDC JRAC Airfield**
  - Talisman Saber (Australia)
  - Exercise - Cold Weather Response - Alaska

Contingency Support

- **Support to GWOT – OEF-P**
  - Assessment and repair of roads and wells in Southern RP
- **South Asia Tsunami Response/Recovery**
  - Deployed LNOs and 3 FESTS to assess damaged roads, wells, facilities and recommend repairs
  - Follow on reconstruction is support of USAID - Scoped development for $35M in projects in Sri Lanka and $230M in road and bridge improvements in Indonesia
- **POD is a Force Provider for GWOT and Natural Disasters worldwide**
  - Support to GWOT in Iraq and Afghanistan (CY05): 70 personnel
  - Support natural disasters (Hurricane Katrina, etc.): 117 personnel

USACE Civil Authorities

- **Flood Control and Coastal Emergencies**
  - Rehabilitation of Damaged Flood Control Works
- **National Emergency Preparedness Program**
  - Catastrophic Disaster Response Planning
    - Honolulu Hurricane
    - Alaska Cold Weather Earthquake
- **National Response Plan - ESF #3 (Public Works & Engineering)**

Support to the Warfighter

Leveraging the Regiment

“I am firmly convinced that but for the existence of the Corps of Engineers’ peacetime organization and its resources of men, methods, training and supply, and its close association with the military through the years, the history of the Pacific area in World War II would have been written more in blood than in achievement.”

The Pacific Ocean Division

Our Most Important Customers